SRFB General Application Information

Project Name Knotweed inventory and treatment for the Skokomish, Hamma Hamma and Lilliwaup drainages.

Project Types:

- ☐ Acquisition
- ☒ Estuarine/Nearshore
- ☒ Riparian
- ☐ Passage, Diversion, Barrier Inventory/Design
- ☐ Non-Capital
- ☐ Upland
- ☐ In-Stream

Applicant / Organization Information

Organization NameMason Conservation District

Organization Type (check one)

- ☐ City/Town
- ☐ County
- ☒ Conservation District
- ☒ Native American Tribe
- ☐ Non-profit Organization
- ☐ RFEG
- ☐ Special Purpose District
- ☐ State Agency

Organization Address

Address 450 W Business Park Road

City/Town shelton

State, Zip WA 98584

Telephone # 360-427-9436 ext 15 FAX # 360-427-4396

Internet e-mail address shannonkirby@masoncd.org Website URL www.masoncd.org

Project Contact Information

Complete one for each contact.

☐ Mr. ☒ Ms. Title Environmental Specialist

First Name Shannon Last NameKirby

☒ Primary Contact OR ☐ Alternate Contact

Contact Mailing Address

Address 450 W business Park Road Work Telephone #360-427-9436 ext. 15

City/Town Shelton FAX #360-427-4396

State, ZipWA 98584 Internet e-mail address

shannonkirby@masoncd.org

Application Questionnaire

All applicants must answer the following questions.

Cost Efficiencies

For any grants listed in the Summary of Funding Request and Match Contribution Section, are there any restrictions on the use of these grant funds? When and how long will the grant funds be available to this project?

December 2008- through December 2110

Describe the type of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Summary of Funding Request and Match Contribution Section.

We will utilize volunteer crews as match and MCD grants.

Land Ownership

What type of landowner currently owns the property? (Federal, Local, Private, State or Tribal.)

Private and Tribal

What is the current land use of the site, and its history? Describe past human uses and salmon habitat functions. Are there any structures on site?

Riparain and pasture lands. No structures.

Worksite Location Data

What are the geographic coordinates of the work site(s) (in degrees, minutes, and seconds)? [If you do not have them, you may leave this question blank.]

What is the township/range/section of the work site(s)?

Twn 21, R 3 west. Multiple sections

In what county(s) is the work site(s) located? In what city, if applicable?

Mason

In what Water Resource Inventory Area(s) (WRIA) is the work site located? (Provide WRIA name and WRIA number.)

16

Is the work site on a stream and/or other waterbody? If yes, name the stream and/or waterbody. If the stream is a tributary of a larger stream, also name the larger stream. If you know the river mile, list it here.

Skokomish River, Vance Creek, Weaver Creek, Purdy, Ten-acre, 5- Mile, Skobob, and Hunter Creek.

Hamma Hamma and Lilliwaup drainages.

Is your work site(s) located within estuarine or saltwater habitat? If so, name it. How close is it to fresh water systems? Name any other estuary or habitat adjacent to this site.

Annas Bay, Hood Canal

Is the work site(s) located within a park, wildlife refuge, natural area preserve, or other recreation or habitat site? If yes, name the area.

Current Landowner(s) of the site (name and address). Remember to complete the Landowner Willingness Form.

Driving Directions (provide directions that will enable staff to locate the project):

North on Highway 101, take left on Skokomish Valley road. Hamma Hamma and Lilliwaup follow nort 101.

Non-profit organizations must answer the following questions.

Is your organization registered as a non-profit with the Washington Secretary of State? If so, what is your Unified Business Identifier (UBI) number?

601057595

What date was your organization created?

1956

How long has your organization been involved in salmon and habitat conservation?

Since the incepttion of Mason Conservation District, our goal has been to protect natural resources.

Short Description of Project

Describe project, what will be done, and what the anticipated benefits will be in 1500 characters or less.

NOTE: Many audiences, including the SRFB, SRFB's Technical Review Panel, media, legislators, and the public who may inquire about your project use this description. Provide as clear, succinct, and descriptive an overview of your project as possible – many will read these 1-2 paragraphs!

The description should state what is proposed. Identify the specific problems that will be addressed by this project, and why it is important to do at this time. Describe how, and to what extent, the project will protect, restore, or address salmon habitat. Describe the general location, geographic scope, and targeted species/stock. This short description should be the summary of the detailed proposal set out under the Evaluation Proposal, with particular emphasis on questions 1-4.

The database limits this space to 1500 characters (including spaces); any excess text will be deleted.

In of 2007, the DOT notified the Skokomish Tribe that they had identified the LARGEST knotweed grove in the state within the Skokomish. This is a huge problem in WRIA 16 for many reasons. Compared to native plant species, knotweed shows a decreased ability to control erosion despite having an extensive root system. During flood events, plant fragments can be washed downstream where rhizome and stem pieces create new infestations. Increased sediment is a factor in the loss of productive salmonid habitat. Sediment can fill in the spaces between riverbed gravels that salmonids utilize for spawning and fill in pools used for rearing. It also negatively affects salmonids by smothering viable eggs, decreasing their feeding success, and damaging gill filaments Knotweed also affects aquatic invertebrates that compose the basis of the aquatic food chain. The food chain is disrupted by an alteration of the quality and timing of the leaf litter regime. This alteration changes nutrient inputs and soil composition. Invertebrates are the primary food source of juvenile fish species. Limiting factors of salmonid production include elevated stream temperature, increased silt loads, poor riparian conditions, poor floodplain conditions, and a lack of large woody debris. According to the Three year watershed implementation Priorities for Hood canal Coordinating Council; it is a regional priority to control noxious weeds, including Knotweed. The goal is to identify all infestations and treat.

Salmonid Species Information

Identify one or more targeted Salmonid species (directly on-site, indirectly down stream or within the rearing/migration corridor) whose habitat conditions you are attempting to improve or protect. Select one Primary Species.

Salmonid Species	Species Targeted (select as many as apply)	Primary Species (select only one)
Bull Trout	☒	☐
Chinook	☒	☐
Chum	☒	☐
Coho	☒	☐
Cutthroat	☒	☐
Pink	☒	☐
Sockeye	☐	☐
Steelhead	☒	☐

Habitat Factors Addressed

Identify one or more Habitat Factors being addressed by this Project and select one Primary Factor.

Habitat Factors	Project Addresses (select as many as apply)	Primary Factor (select only one)
1. Biological Processes	☒	☐
2. Channel Conditions	☒	☐
3. Estuarine and Near-shore Habitat	☒	☐
4. Floodplain Conditions	☒	☐
5. Lake Habitat	☐	☐
6. Loss of Access to Spawning and Rearing Habitat	☒	☐
7. Riparian Conditions	☒	☐
8. Streambed Sediment Conditions	☐	☐
9. Water Quality	☐	☐
10. Water Quantity	☐	☐

Species/Habitat Factors Information Sources

For Species Information provide the source and indicate if the species listed are directly on-site at some point in their life stage (i.e. SaSI, WDFW Stream Catalog, Stream Survey/Field Observation, Limiting Factors Distribution Maps).

For Habitat Factors Information list the study/report and date identifying the habitat factors for your project (i.e. SaSI, limiting factors analysis, watershed analysis, other assessments, or studies).

Study Name	Author	Date
Limiting Factors Analysis		
Skokomish TMDL	DOE	2001
Statewide Knotweed Control Program, Progress Report	Department of Agriculture	2006

Summary of Funding Request and Match Contribution

Remember to update this section whenever changes are made to your cost estimates.

TOTAL PROJECT COST (A + B) **(Sponsor Match & SRFB Contribution)**			$98,961
A. Sponsor Match Contribution (15% minimum is required for match)			
Appropriation/Cash		$	
Bonds - Council		$	
Bonds - Voter		$	
Cash Donations		$	
Conservation Futures		$	
Donations			
Donated Equipment		$	
Donated Labor		$	
Donated Land		$	
Donated Materials		$	
Donated Property Interest		$	
Force Account			
Force Acct - Equipment		$	
Force Acct - Labor		$	
Force Acct - Material		$	
Grants*			
Grant - Federal		$	
Grant - Local		$	18,350
Grant - Private		$	
Grant - State		$	
Grant - IAC	$		
Grant - Other	$		
Total Sponsor Match Contribution 15% Minimum Match Required of A. TOTAL PROJECT COST			$18,350
B. SRFB Contribution (grant request) $5,000 Minimum Request			$80,611

***Note, be sure to identify the name and type of any matching grant in the Application Questionnaire Section.**

Note: The Total Project Cost must equal the totals from the following Cost Estimate Sections.

Permits

Check the appropriate boxes to indicate required and/or anticipated permits.
General permit information can be obtained at the Dept. of Ecology Permit Assistance Center 1-800-917-0043 or on their Internet site http://www.ecy.wa.gov/programs/sea/pac/index.html.

Permits	Comments Regarding Permit Status
☒ Aquatic Lands Use Authorization *(Dept of Natural Resources)*	The Tribe has been awarded a permit and the fee is waived
☐ Building Permit *(City/County)*	
☐ Clear & Grade Permit *(City/County)*	
☐ Cultural Assessment [Section 106] *(CTED-OAHP)*	
☐ Dredge/Fill Permit [Section 10/404 or 404] (*US Army Corps of Engineers)*	
☐ Endangered Species Act Compliance [ESA] *(US Fish & Wildlife/NMFS)*	
☐ Forest Practices Application [Forest & Fish] (*Dept of Natural Resources)*	
☐ Health Permit *(Dept of Health/County)*	
☐ Hydraulics Project Approval [HPA] *(Dept of Fish & Wildlife)*	
☐ NEPA *(Federal Agencies)*	
☐ SEPA *(Local or State Agencies)*	
☐ Shoreline Permit *(City/County)*	
☐ Water Quality Certification [Section 401] *(County/Dept of Ecology)*	
☐ Water Rights/Well Drilling Permit *(Dept of Ecology)*	
☐ Other Required Permits (identify)	
☐ None – No permits Required	

Restoration Cost Estimate ~ Riparian

RIPARIAN HABITAT includes those freshwater, marine near-shore, and estuarine items that affect or will improve the riparian habitat outside of the ordinary high water mark or in wetlands. Items may include plant establishment/removal/management, livestock fencing, stream crossing, and water supply.

Complete only items that apply to your project.
TOTAL COST must include the SRFB and Sponsor's Match Contribution.
Use only whole dollar amounts.

Item	Unit	Qty.	Total Cost	Description Needed	Description (60 characters max.)
Livestock fencing	Linear ft			Material	
Livestock stream crossing	Lump sum			Describe	
Livestock water supply	Lump sum			Describe	
Log control (weir)	Each			Optional	
Permits	Lump sum			Optional	
Plant removal/ control	Acres	75-100 acres	84,126.00	Optional	knotweed removal
Riparian plant installation	Sq ft			Describe	
Riparian plant materials	Each			Describe species	
Rock control (weir)	Each			Optional	
Signage	Each	4	100.00	Describe	knotweed treatment areas
Site maintenance	Lump sum			Describe	
Wetland restoration	Acres			Describe	
Woody debris placement	Each			Describe	
Sales Tax	**6455.00**				
Sub-Total	**84,226.00**				
Architecture, Engineering, & Admin. (30% of Sub-Total)	**14,735.00**				
TOTAL COSTS	**98,961.00**				

Goal and Objective and Measurements ~ Riparian

Select <u>one</u> goal and <u>one</u> objective that best fits your project and respond to the measurements for that goal and objective.

Goal: The goal of the project is to connect isolated freshwater wetland habitat to increase the range and distribution of salmon.	☐
Objective: The objective of the project is to increase access to freshwater wetland side channels, oxbows, and other channels.	
Measurement: Amount of artificial wetland area created? [Acres of artificial wetland proposed to be created and actually created from an area not formerly a wetland.]	Acres
Measurement: Amount of wetland area of invasive species treated? [The acreage of invasive species proposed for treatment and actually treated in the wetland project. The proposed project area may only be a portion of an existing wetland such as removing an area of purple loosestrife.]	Acres
Measurement: Amount of wetland area treated? [Acres of wetland proposed for treatment and actually treated. Note: Include acres of invasive species proposed for treatment or treated.]	Acres
Measurement: Average stream width, in feet, upstream of barrier [Report the average width of the stream upstream from the barrier.]	Average width in feet
Measurement: Length of stream section treated. [One side only]	Miles
Measurement: Length of streambank treated for stabilization. (If both sides, add lengths).	Miles
Measurement: Length of instream habitat treated, except for bank stabilization. (One side only).	Miles
Measurement: Percent rearing habitat opened up? [Report the percent of rearing habitat that is being opened up as a result of this project.]	% Rearing
Measurement: Percent spawning habitat opened up? [Report the percent of spawning habitat that is being opened up as a result of this project.]	% Spawning
Goal: The goal of the project is to restore native riparian vegetation along salmon bearing streams.	☒
Objective: The objective of the project is to restore natural streamside vegetation, improve stream temperature, reduce erosion, filtration, and recruit large woody debris.	
Measurement: Amount of riparian area treated except for invasive species treatment? [This refers to the total riparian acres proposed and actually treated. Examples of treatment include riparian plantings, or protection of riparian zone with a fence. Note: Report the invasive species separately.]	Acres
Measurement: Amount of riparian area treated for invasive plant species? [This refers to the acres of invasive plant species proposed and actually treated. An invasive species is a plant species that is recognized by the State or Tribe as an invasive species.]	up to 75 Acres
Measurement: Length of riparian stream bank treated? [This refers to meander miles of stream bank proposed for treatment and treated. Report the actual length of proposed treatment, adding lengths of treatment on both sides if treatment was on both sides.]	Miles
Measurement: Length of stream section treated. [One side only]	Miles

Goal and Objective and Measurements
Riparian (Combination projects only)

Select <u>one</u> goal and <u>one</u> objective that best fits your project and respond to the measurements for that goal and objective.

Goal: The goal of the project is to protect and connect isolated freshwater wetland habitat to increase the range and distribution of salmon.	☐
Objective: The objective of the project is to protect and increase access to freshwater wetland side channels, oxbows, and other channels.	☐
Measurement: Amount of artificial wetland area created? [Acres of artificial wetland proposed to be created and actually created from an area not formerly a wetland.]	Acres
Measurement: Amount of wetland area of invasive species treated? [Acres of invasive species proposed for treatment and actually treated in the wetland project. The project area may only be a portion of an existing wetland such as removing an area of purple loosestrife.]	Acres
Measurement: Amount of wetland area treated? [Acres of wetland proposed for treatment and actually treated. Include acres of invasive species proposed for treatment or treated.]	Acres
Measurement: Average stream width, in feet, upstream of barrier [Report the average width of the stream upstream from the barrier.]	Feet
Measurement: Length of stream bank protected through land acquisition/easement/lease. [If both sides, add lengths].	Miles
Measurement: Length of stream section treated. [One side only]	Miles
Measurement: Length of streambank treated for stabilization. (If both sides, add lengths).	Miles
Measurement: Length of instream habitat treated, except for bank stabilization. (If both sides, add lengths).	Miles
Measurement: Percent rearing habitat opened up? [Report the percent of rearing habitat that is being opened up as a result of this project.]	% Rearing
Measurement: Percent spawning habitat opened up? [Report the percent of spawning habitat that is being opened up as a result of this project.]	% Spawning
Goal: The goal of the project is to protect and restore native riparian vegetation along salmon bearing streams.	☒
Objective: The objective of the project is to protect and restore natural streamside vegetation, improve stream temperature, reduce erosion, filtration, and recruit large woody debris.	
Measurement: Amount of riparian area treated except for invasive species treatment? [The total riparian acres proposed and actually treated. Examples include riparian plantings, or protection of riparian zone with a fence. Note: Report the invasive species separately.]	Acres
Measurement: Amount of riparian area treated for invasive plant species? [This refers to the acres of invasive plant species proposed and actually treated. An invasive species is a plant species that is recognized by the State or Tribe as an invasive species.]	Acres
Measurement: Length of riparian stream bank treated? [This refers to meander miles of stream bank proposed for treatment and treated. Report the actual length of proposed treatment, adding lengths of treatment on both sides if treatment was on both sides.]	Miles
Measurement: Length of stream bank protected through land acquisition/easement/lease. (If both sides, add lengths)	Miles
Measurement: Length of stream section treated. [One side only]	Miles

Riparian Projects
Application Materials Checklist

Application Materials must be submitted for each project on the lead entity list.

Available in PRISM	✓	Item	Section
✓		**General Application Information**	Section 2
✓		Applicant / Organization Information	Section 2
✓		Project Contact Information	Section 2
✓		Application Questionnaire (cost efficiencies, land ownership, worksite location)	Section 2
✓		Short Description of Project	Section 2
✓		Salmonid Species Information	Section 2
✓		Habitat Factors Addressed	Section 2
✓		Species/Habitat Factors Information Sources	Section 2
✓		Summary of Funding Request and Match Contribution	Section 2
✓		Permits	Section 2
Attach		Project Partnership Contribution Form	Section 2
Attach		Landowner Willingness Form	Section 2
✓		**Riparian Specific Forms**	Section 7
✓		Riparian Habitat Cost Estimate	Section 7
Attach		Evaluation Proposal	Section 7
✓		Goals and Objectives	Section 7
		Riparian Habitat Projects Checklist	Section 7
Attach		**Maps (general vicinity & work site)**	Applicant Creates
Attach		**Project Photos**	Applicant Creates
Attach		**Other Materials (optional)**	Applicant Creates

✓ **- Items with a check mark can be entered directly into PRISM. Items marked "Attach" can be attached as document in PRISM, however if this is not possible, documents can be mailed to the IAC Office.**